

10/046,893

1/36



FIG. 1A



FIG. 1B

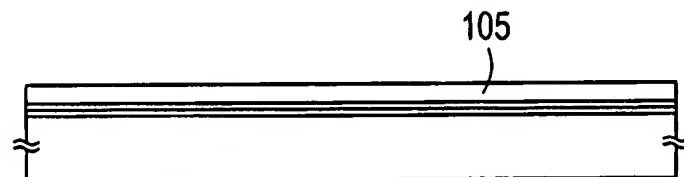


FIG. 1C

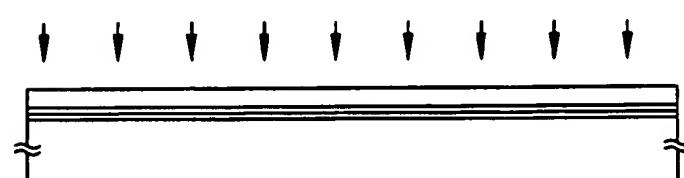
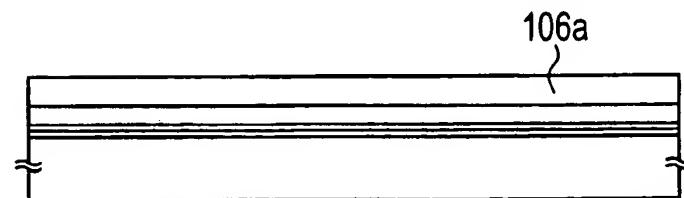


FIG. 1D



approved

fee

1/3/05



2/36

FIG. 2A

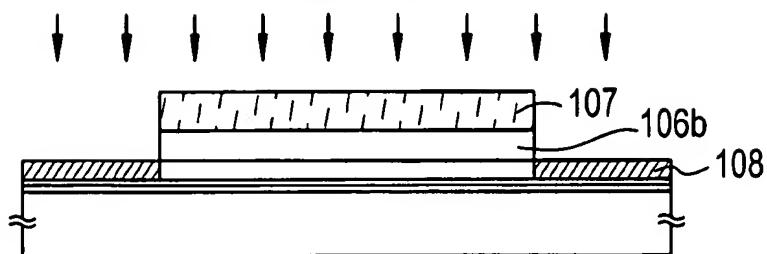


FIG. 2B

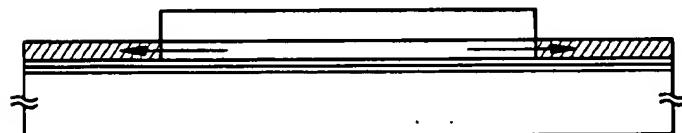
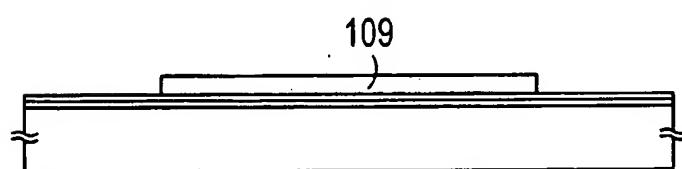
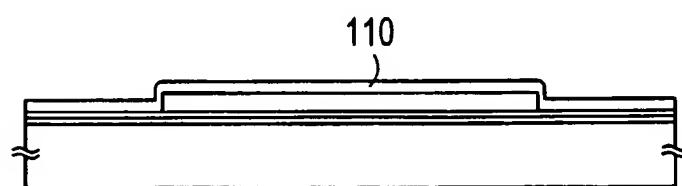


FIG. 2C



1/13/05

FIG. 2D



approved
fee

approved
fee
1/13/05



3/36

FIG. 3A

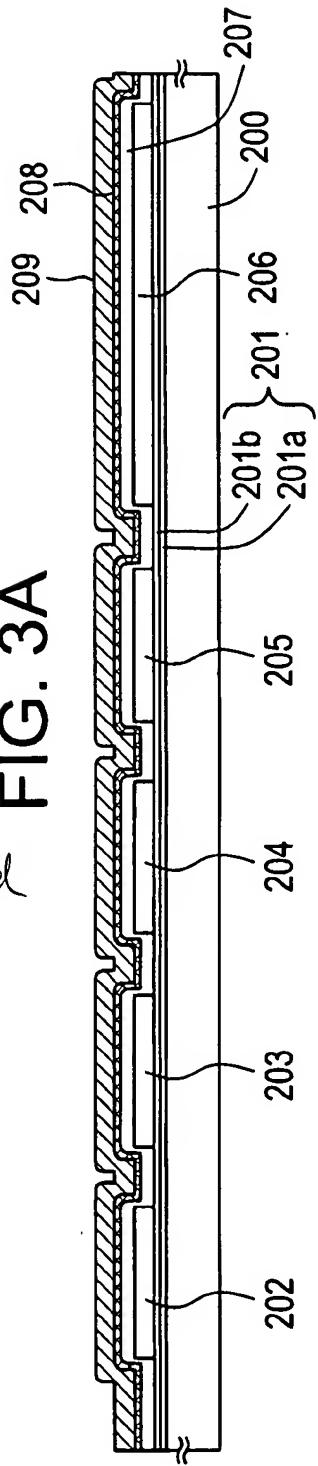


FIG. 3B

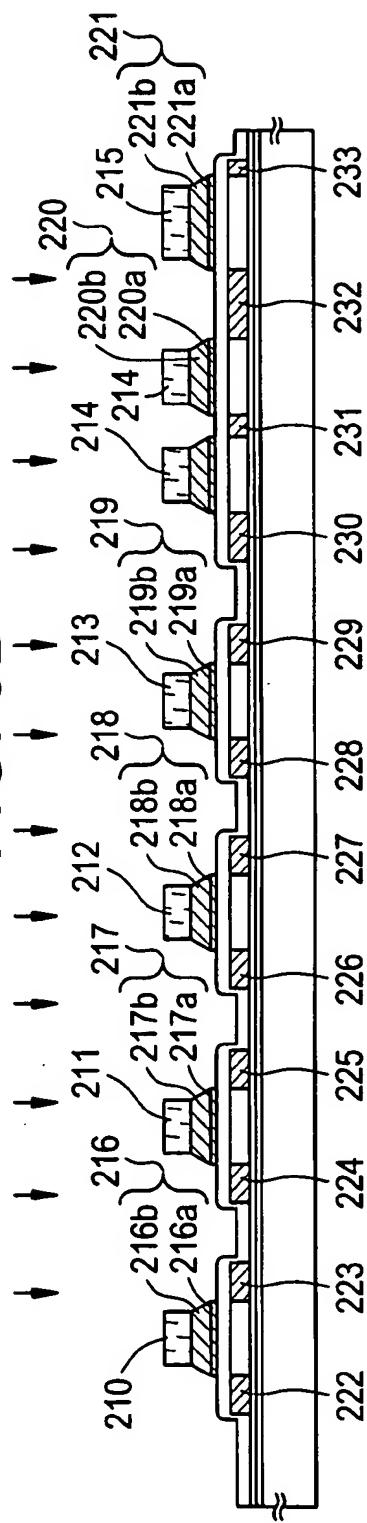
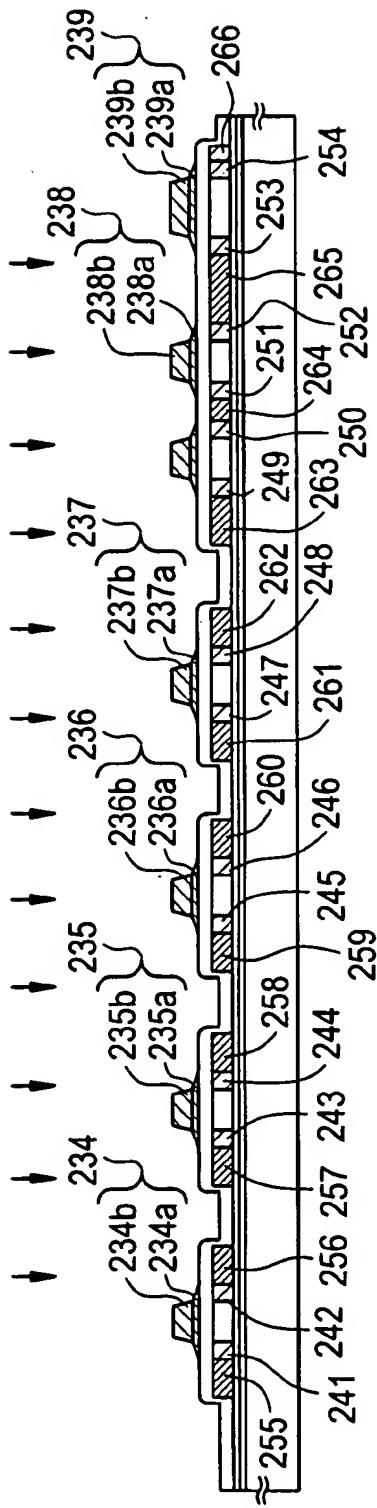


FIG. 3C





4/36

Approved
See
1/13/05

FIG. 4A

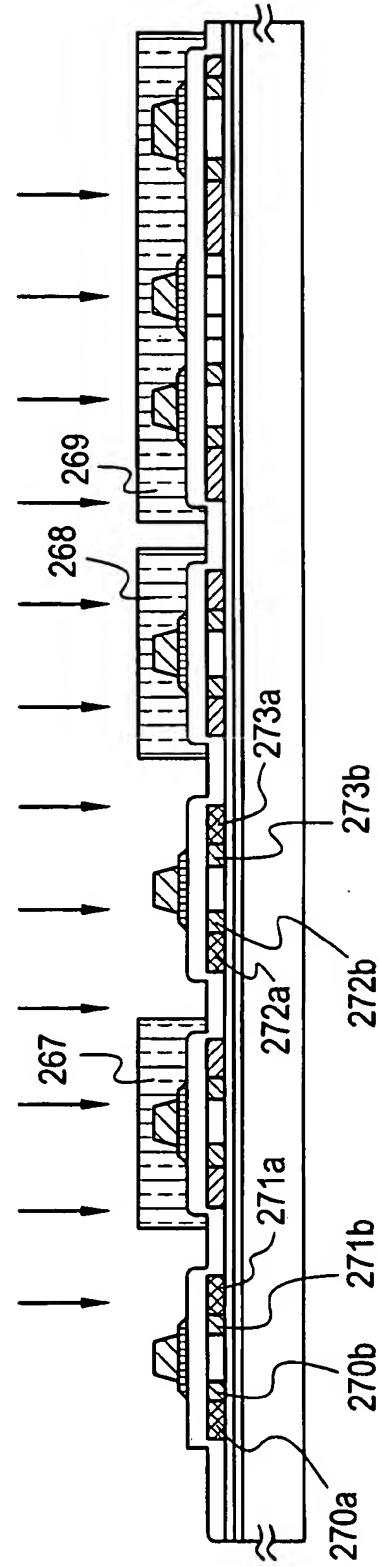


FIG. 4B

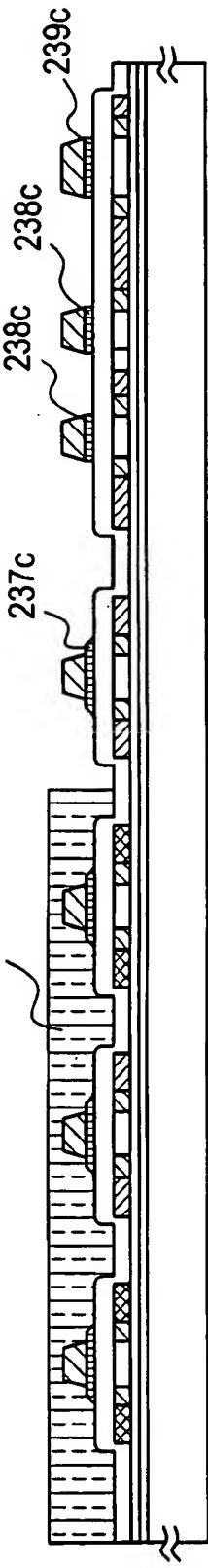
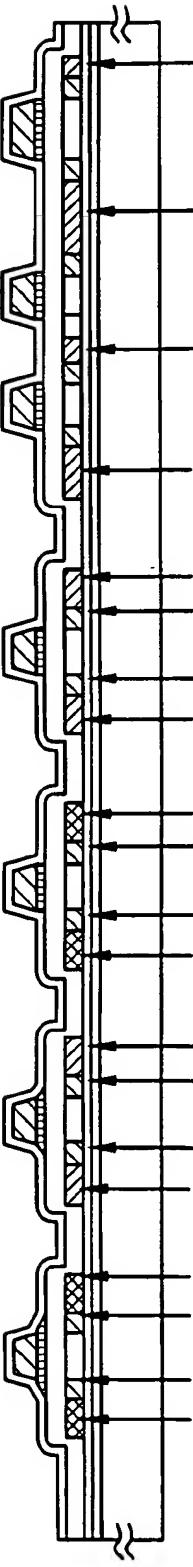


FIG. 4C

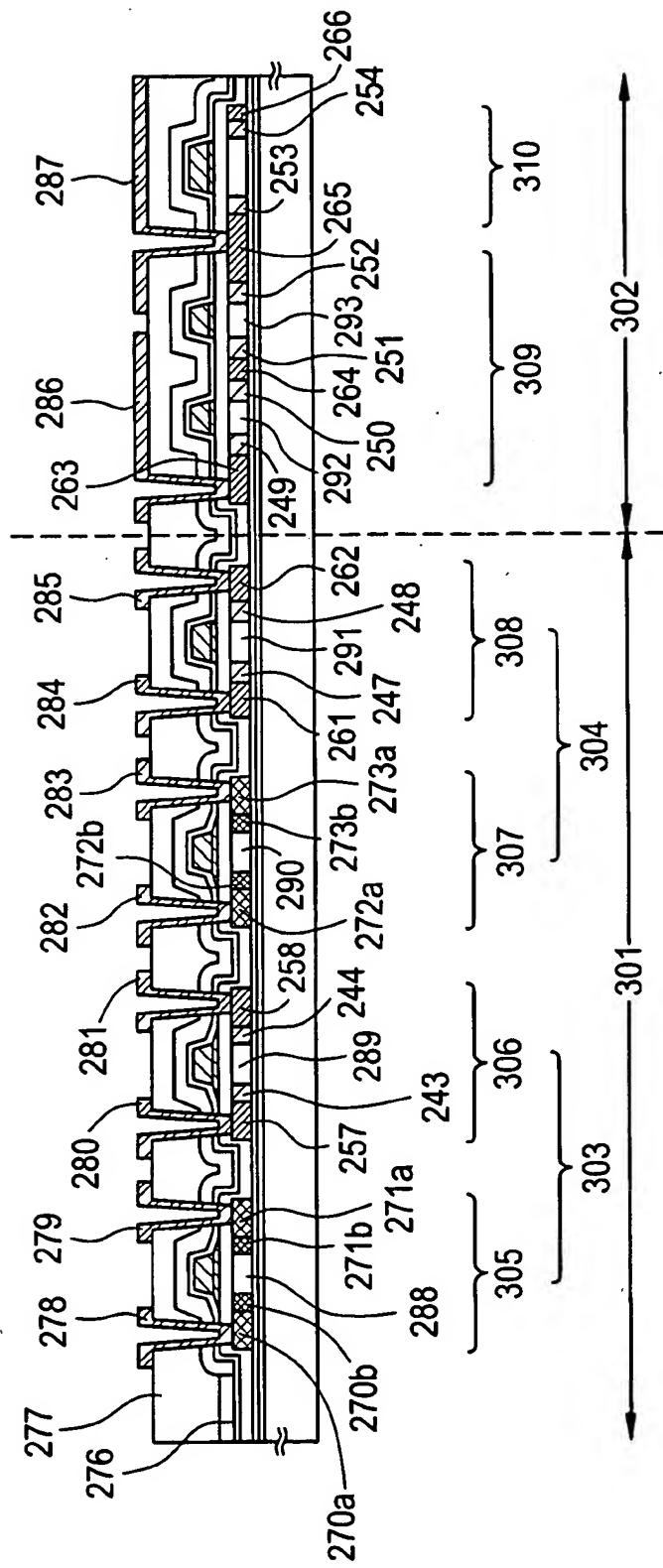




5/36

FIG. 5

approved
1/13/05

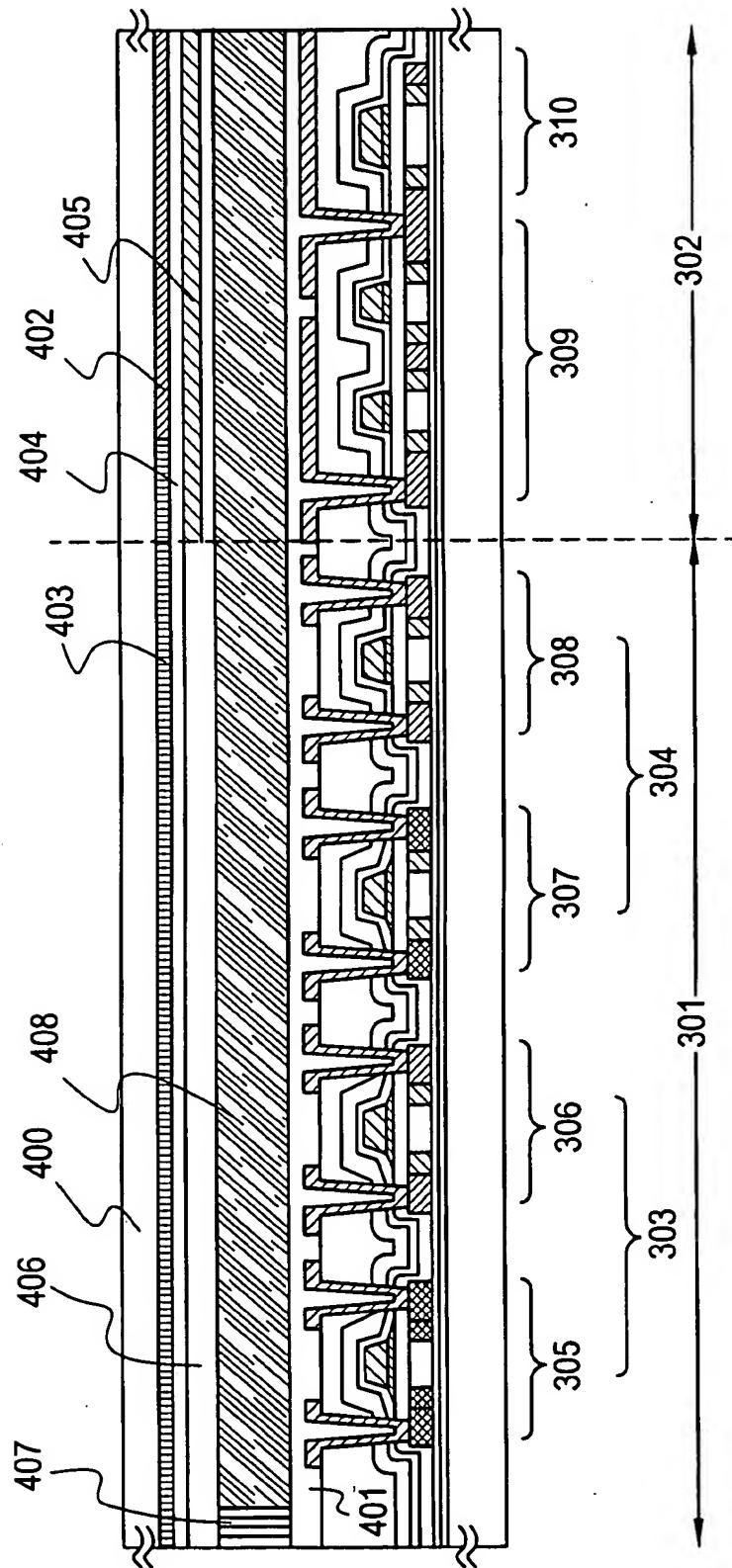




6/36

FIG. 6

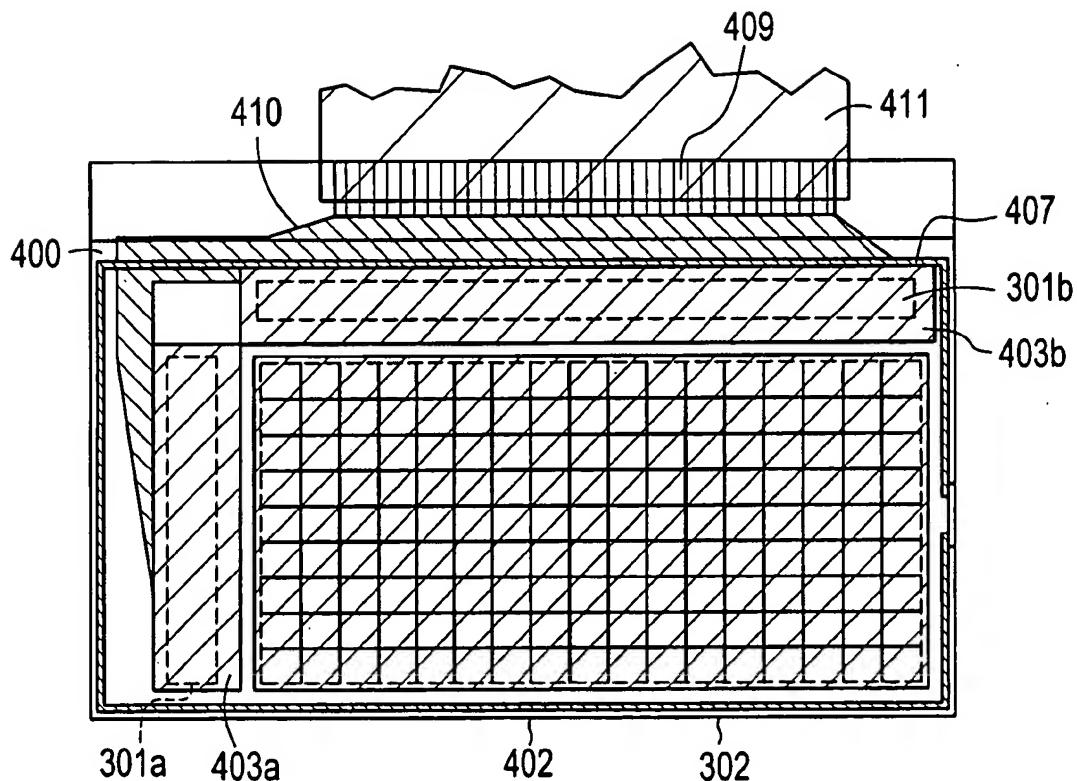
Approved
fee
1/13/05





7/36

FIG. 7



Approved
fee
1/3/05



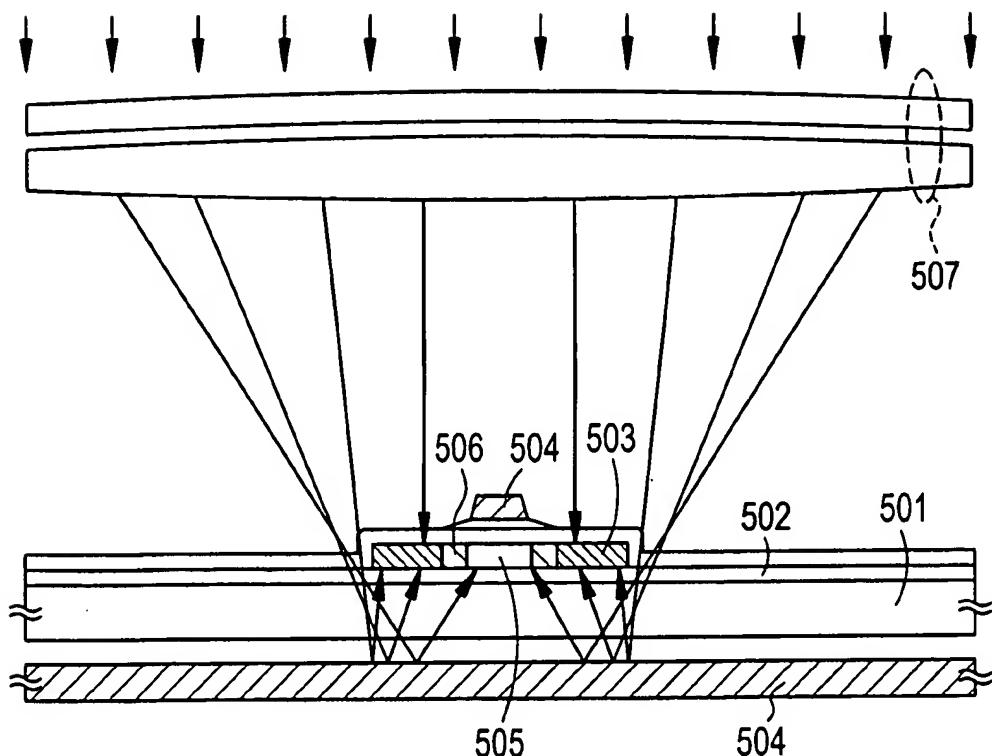
8/36

FIG. 8

Approved

See

1/13/05





9/36

FIG. 9A

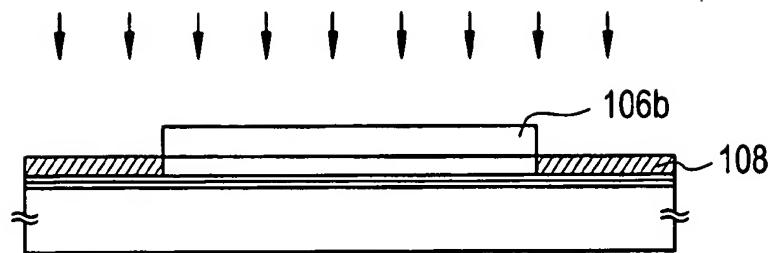
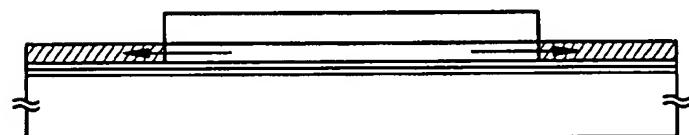


FIG. 9B



approved
Lee
1/13/05

FIG. 9C

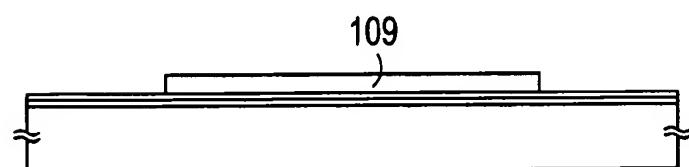
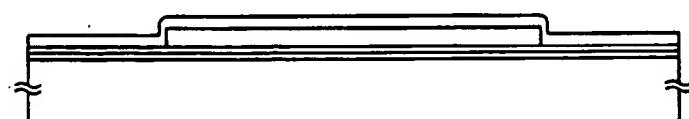


FIG. 9D





10/36

FIG. 10A

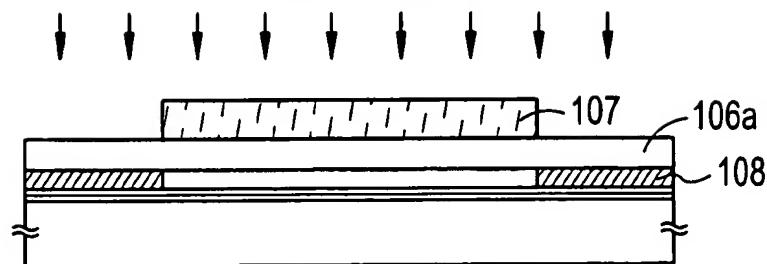
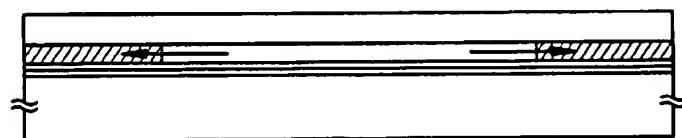


FIG. 10B



approved
Lee
1/13/05

FIG. 10C

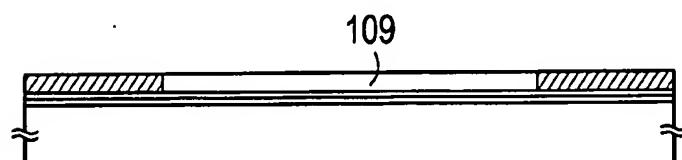
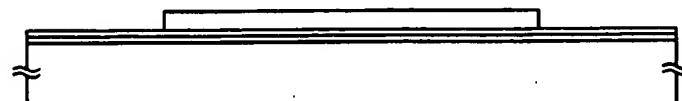


FIG. 10D





11/36

FIG. 11A

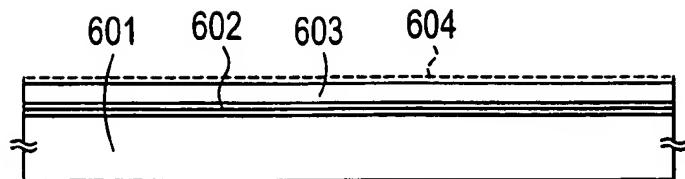


FIG. 11B

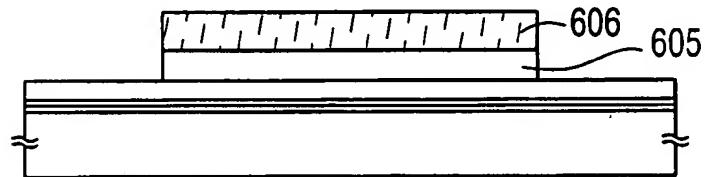


FIG. 11C

approved
fee
1/13/05

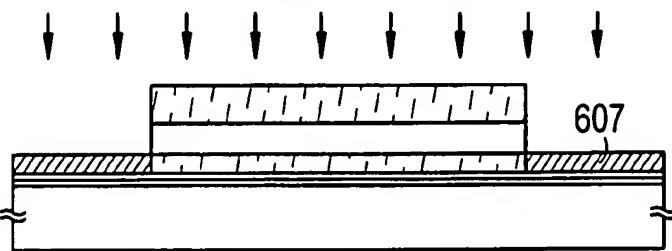


FIG. 11D

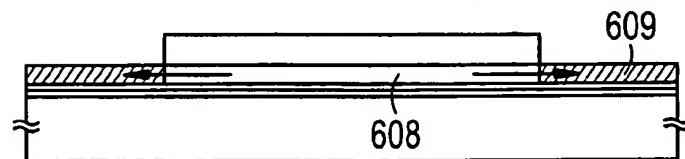


FIG. 11E





12/36

FIG. 12A

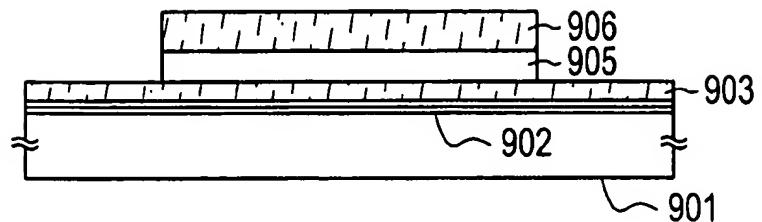


FIG. 12B

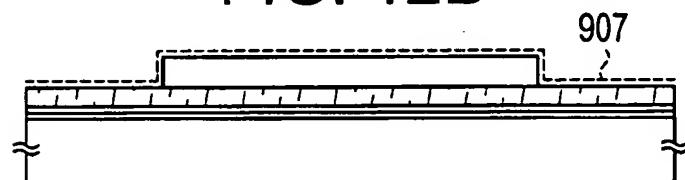
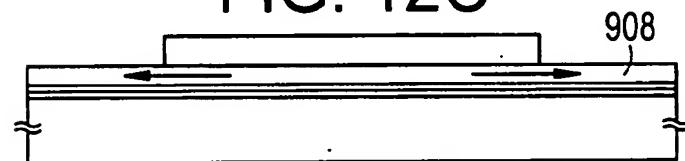


FIG. 12C



Approved

See

1/3/05

FIG. 12D

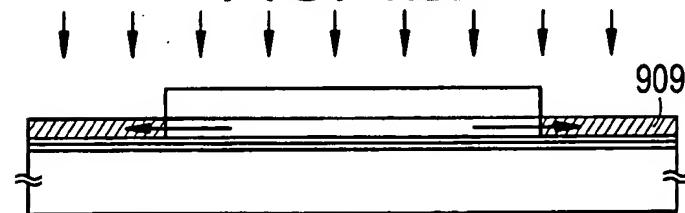


FIG. 12E

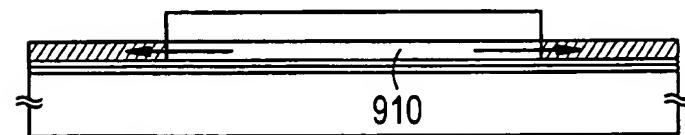


FIG. 12F





13/36

FIG. 13A

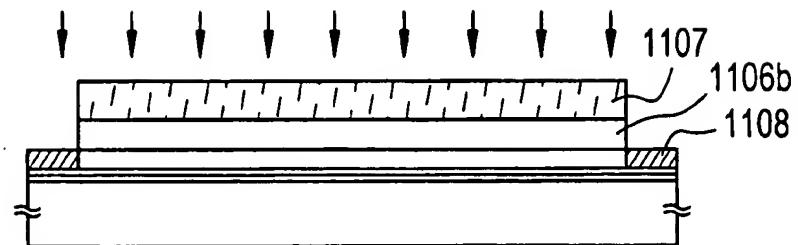
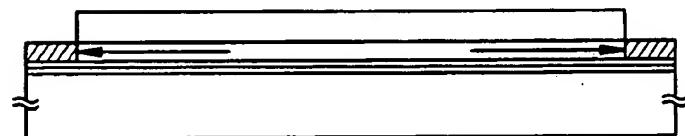


FIG. 13B



approved

fee

1/3/05

FIG. 13C

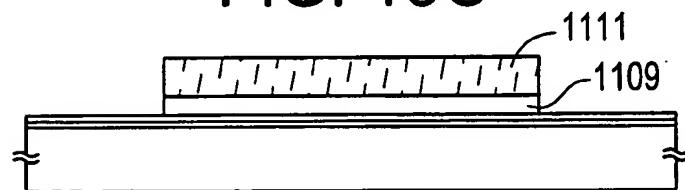
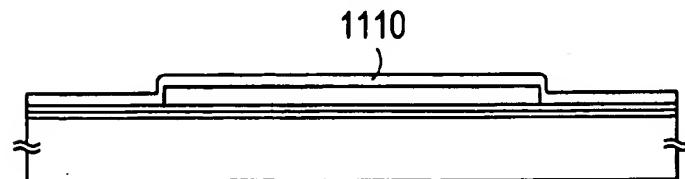


FIG. 13D





14/36

FIG. 14A

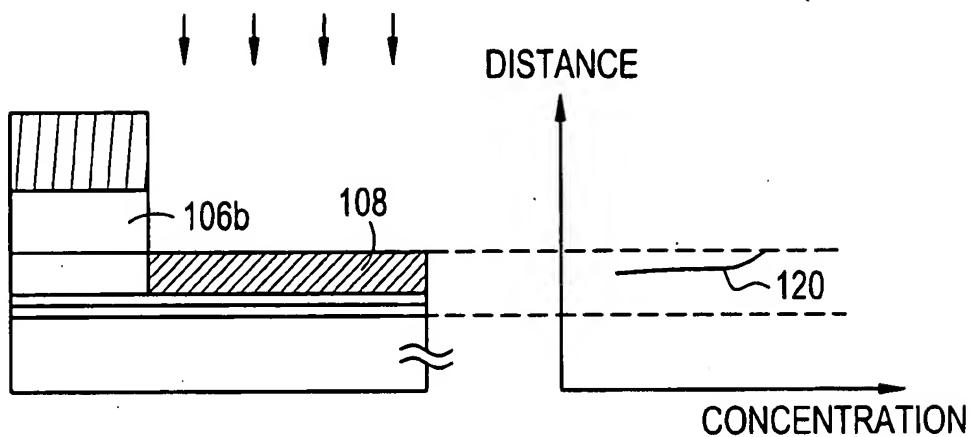


FIG. 14B

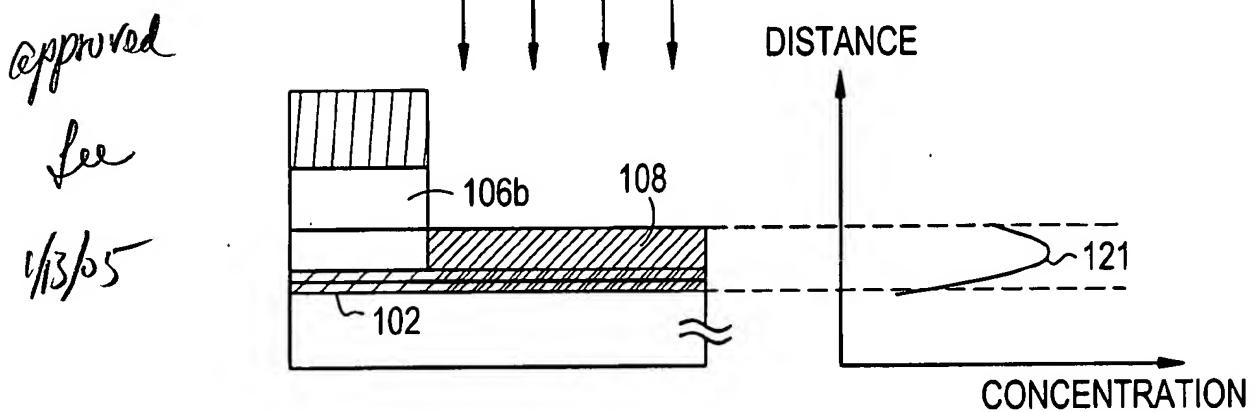


FIG. 14C

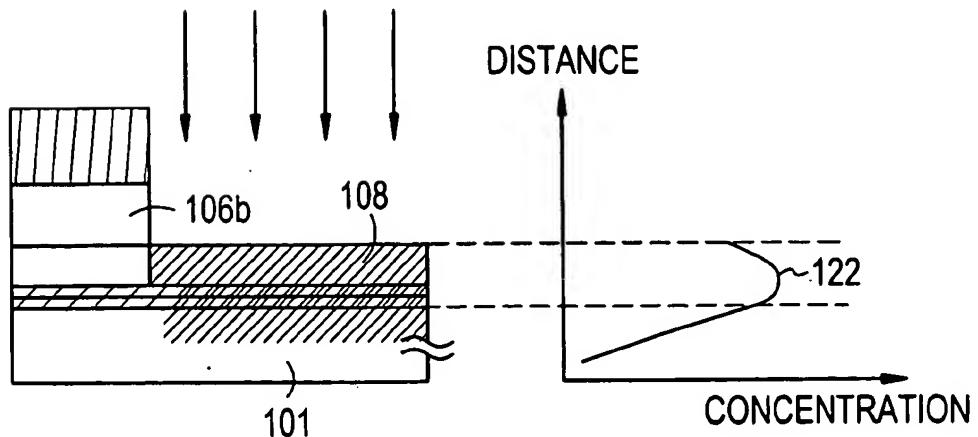




FIG. 15

approved
fee
1/13/05

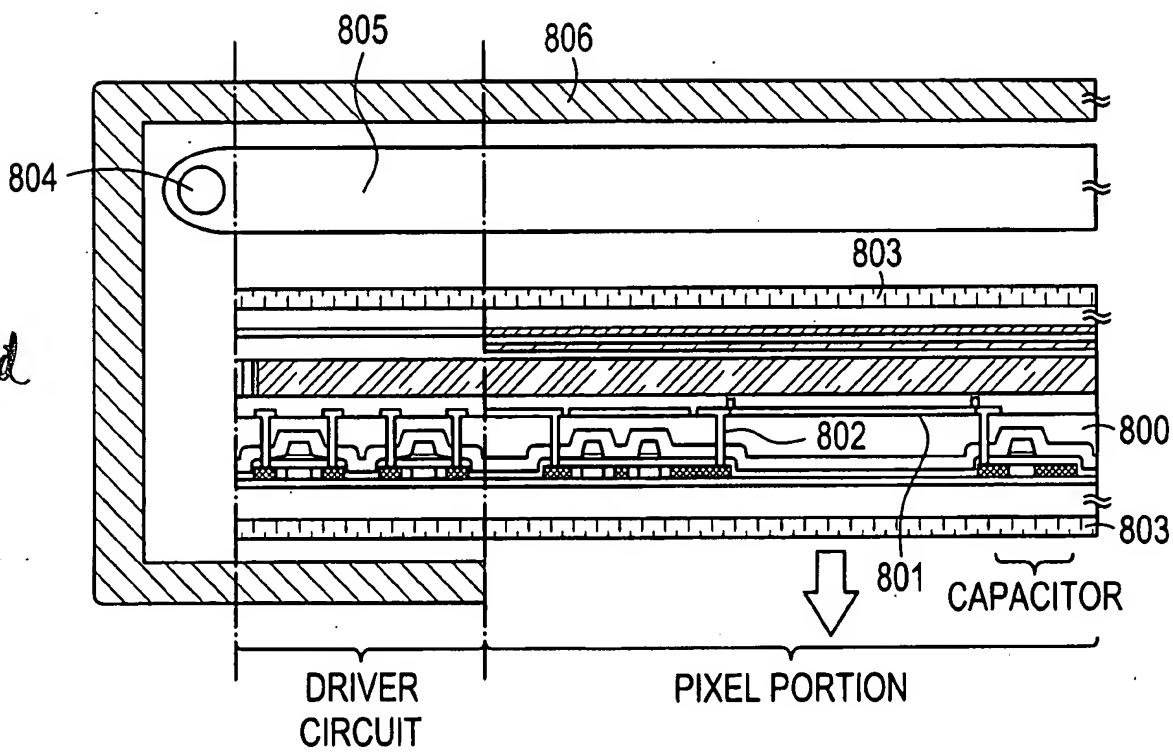
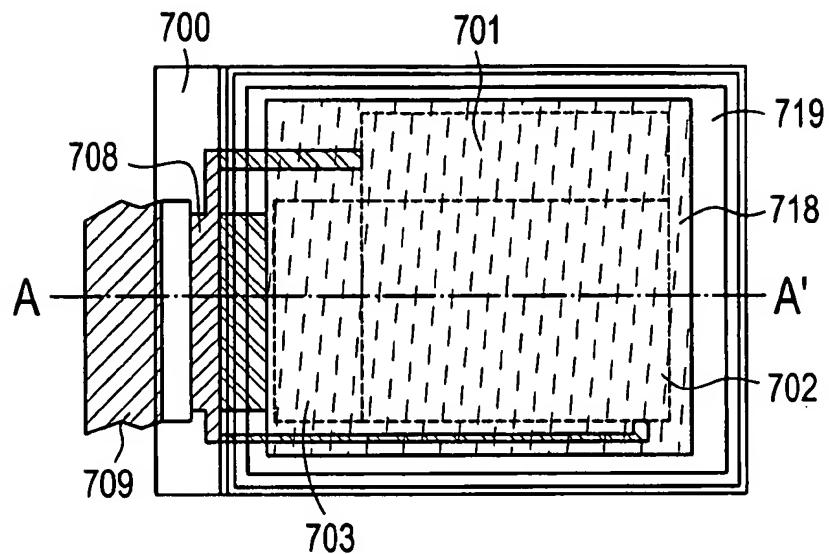


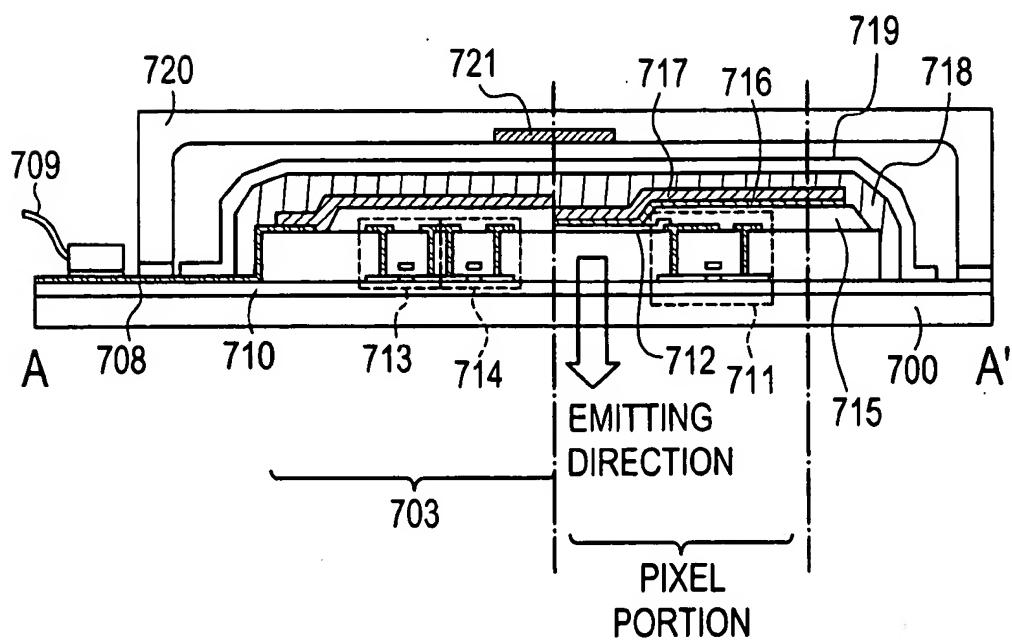


FIG. 16A



approved
fee
1/13/5

FIG. 16B

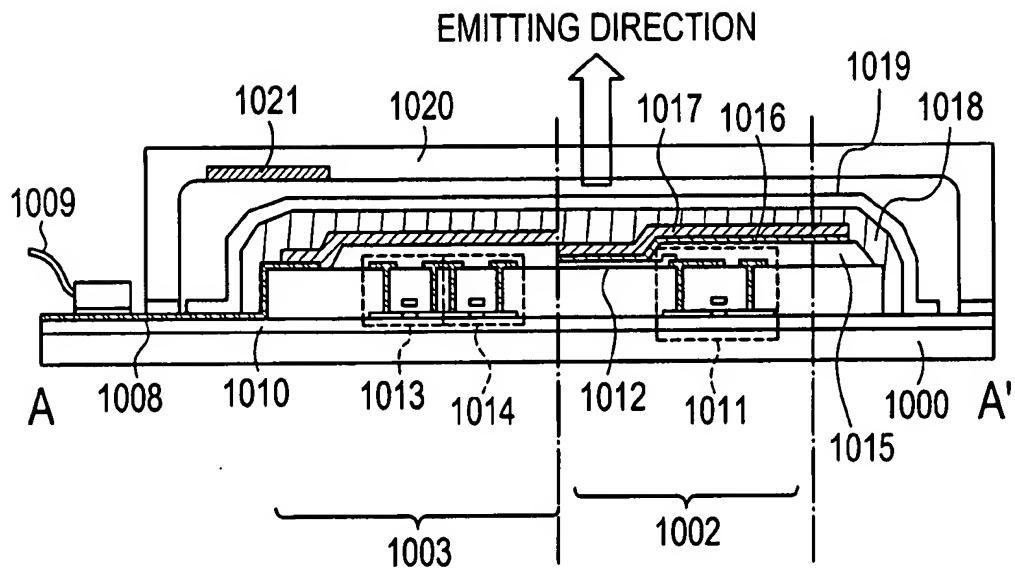




17/36

FIG. 17

approved
fee
1/13/05

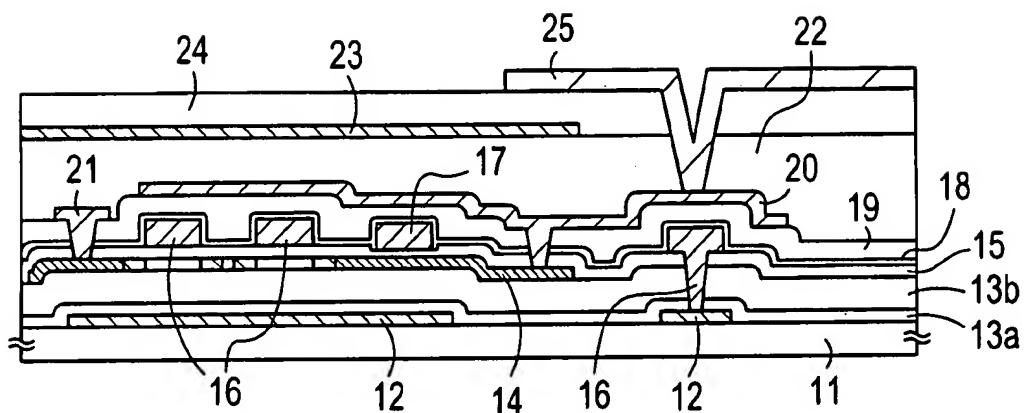




18/36

FIG. 18

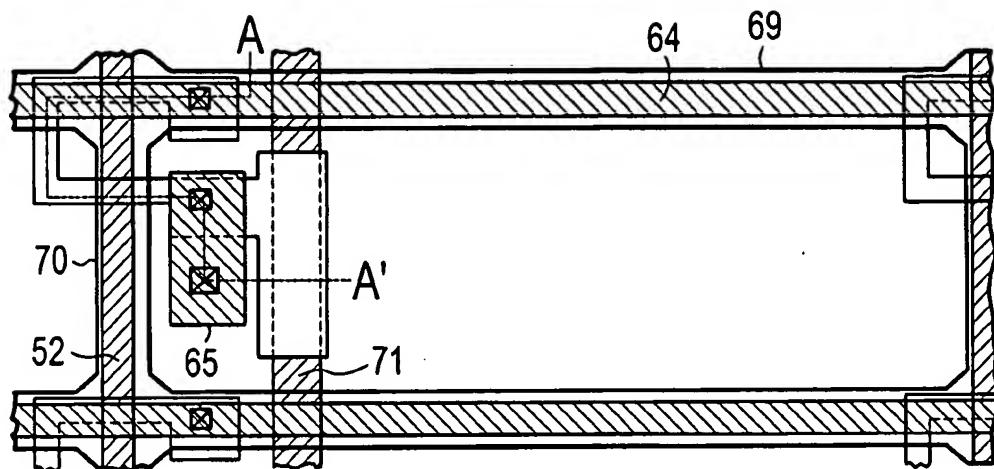
approved
See
1/3/05





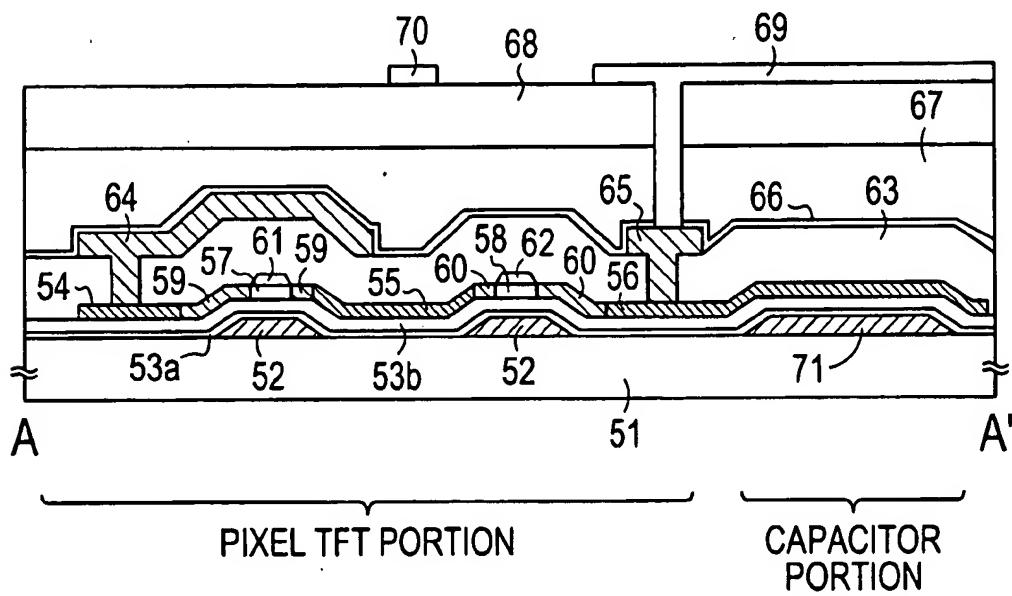
19/36

FIG. 19A



approved
See
1/13/05

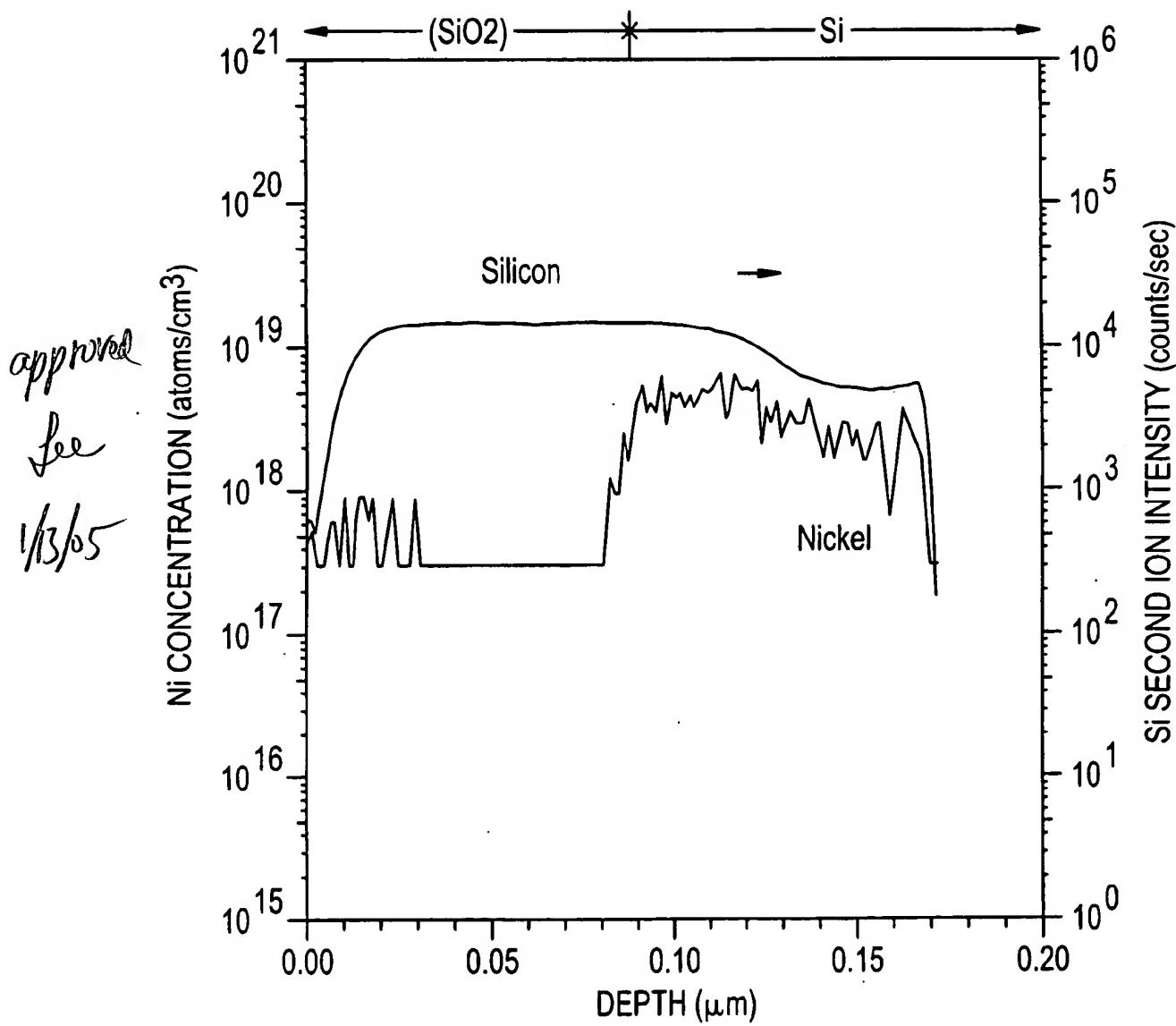
FIG. 19B





20/36

FIG. 20

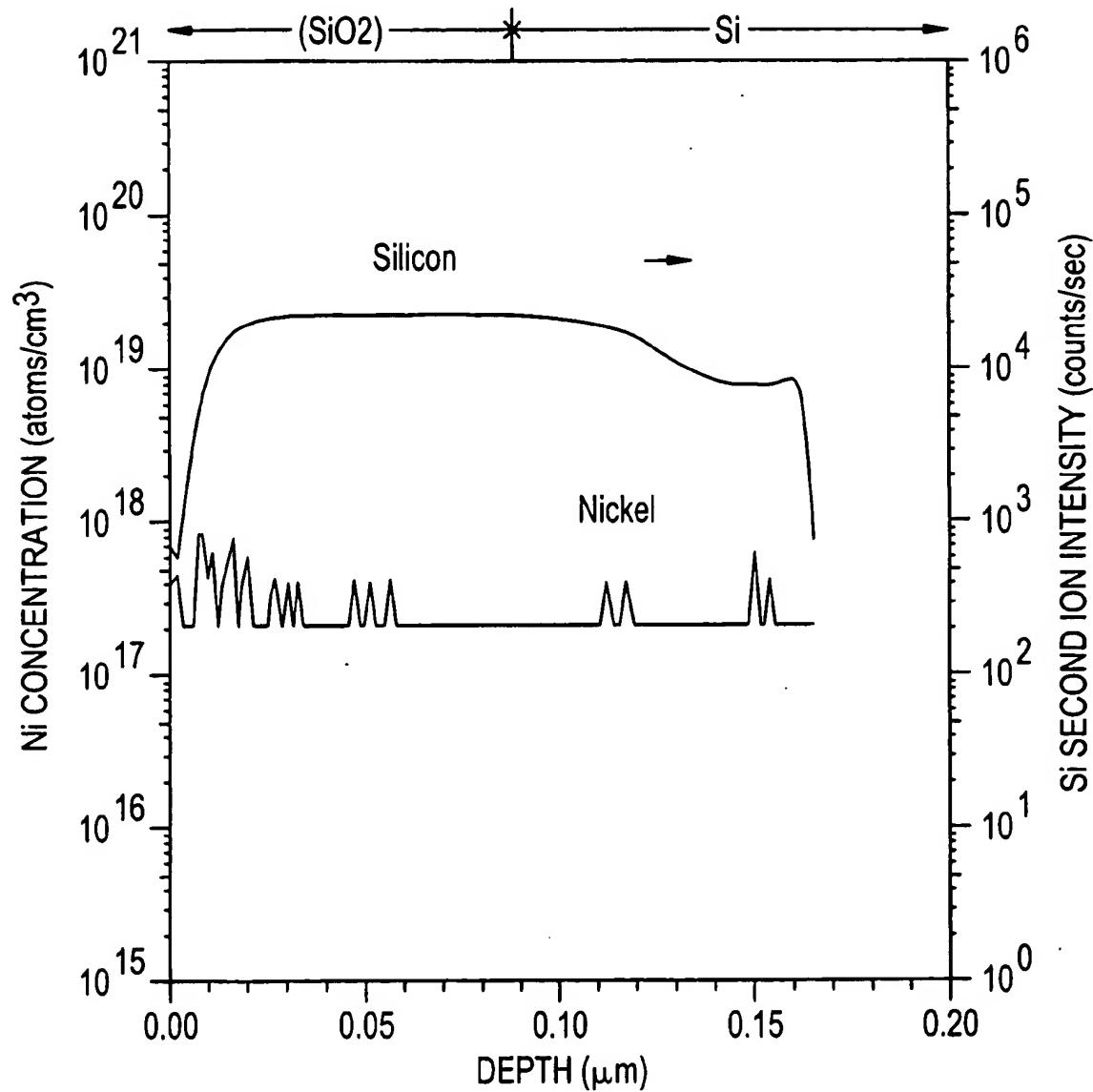


O.I.P.E.J.C.A. 948
JAN 03 2005
PATENT & TRADEMARK OFFICE

21/36

FIG. 21

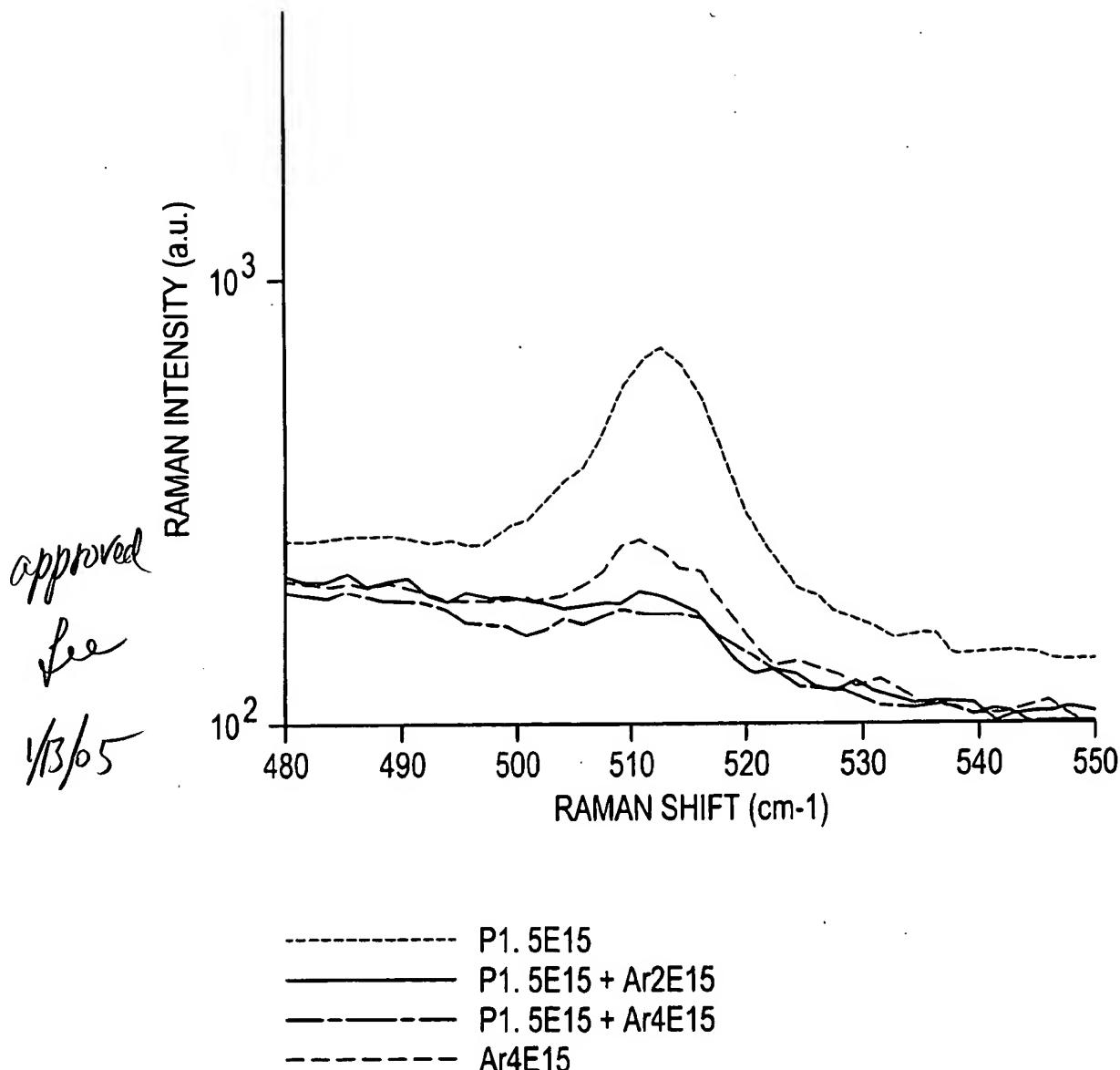
approved
fee
1/3/05





22/36

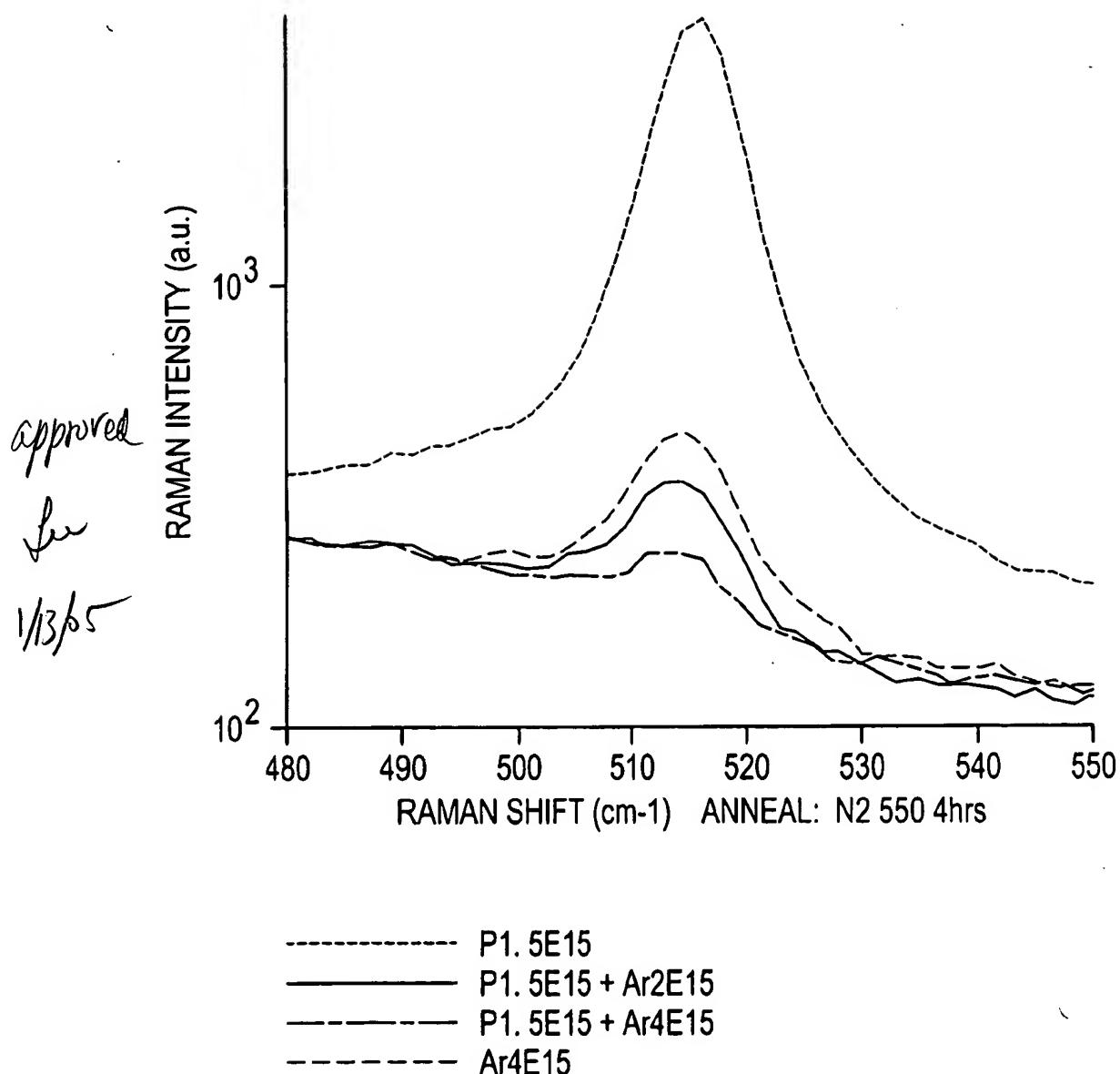
FIG. 22





23/36

FIG. 23

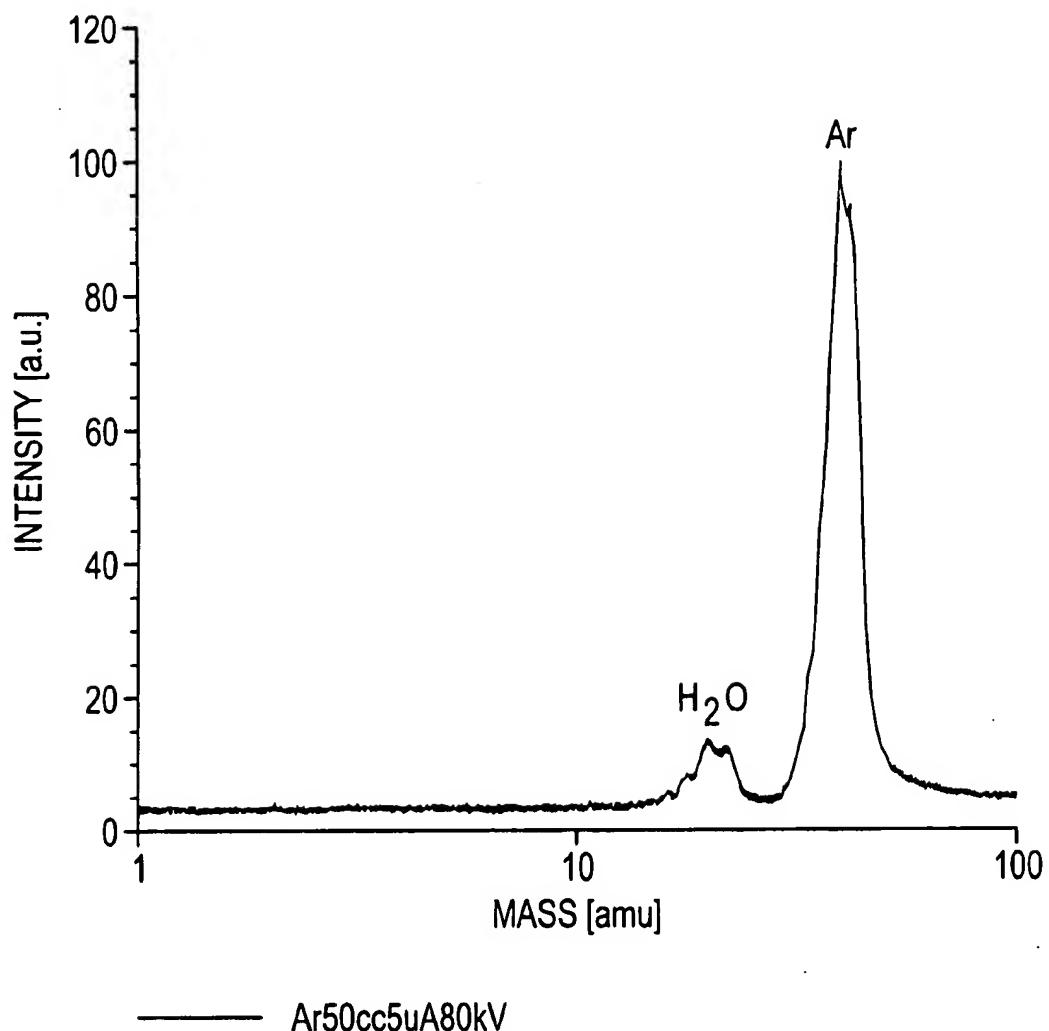


O I P E
JAN 03 2005
JC48
ENT & TRADEMARK OFFICE

24/36

FIG. 24

approved
fee
1/3/05

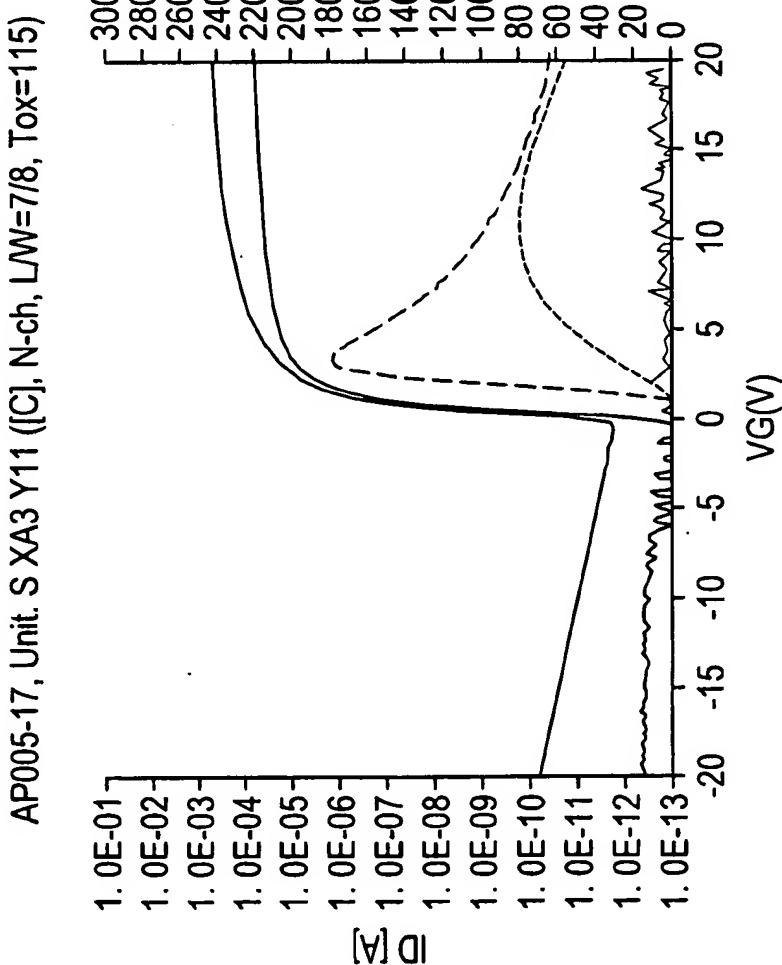




25/36

Lot No.:	AP005_CN	
FILE NAME	CHNSA311	
Comment	SemiAuto	
PARAMETER OF MEASUREMENT		
VD start	1	
VD step	13	
VD step number	2	
PARAMETER OF CALCULATION		
CHANNEL TYPE	N	
L [μm]	7.0	
W [μm]	8.0	
DIELECTRIC CONSTANT	4.1	
THICKNESS OF OXIDE	115	
RESULT OF CALCULATION		
Ion_2 [A]	2.34E-04	
loff_2 [A]	3.70E-12	
Shift_1[V]	0.231	
Vth [V]	1.222	
S-value [V/dec]	0.175	
μFE (max) [cm ² /Vs]	179.9	

FIG. 25



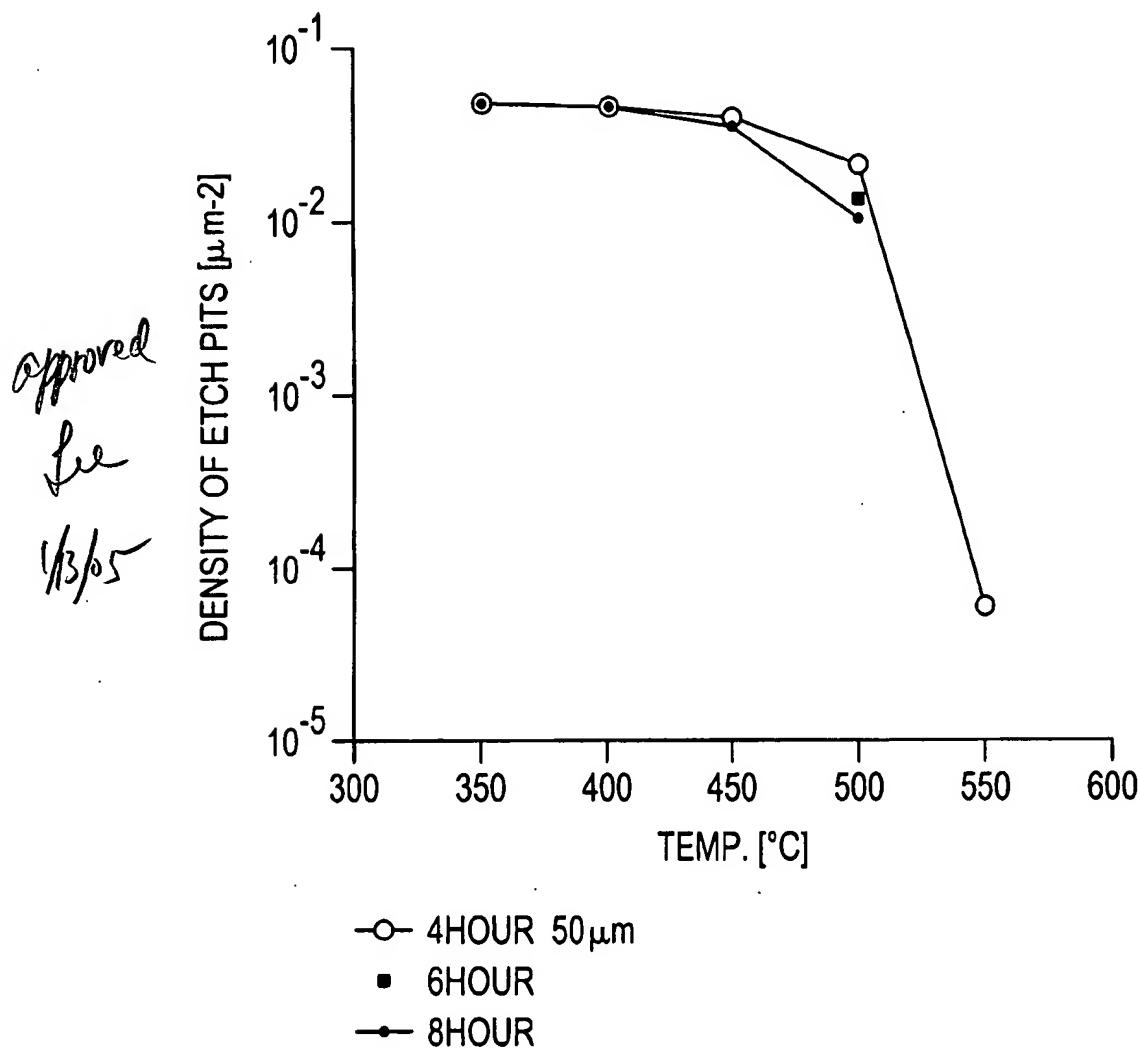
approved
fee
1/3/05



26/36

FIG. 26

Ar dope 80kV 5E15 (into GI900 A/poly-Si500 A/SiON + SiNO/#1737)

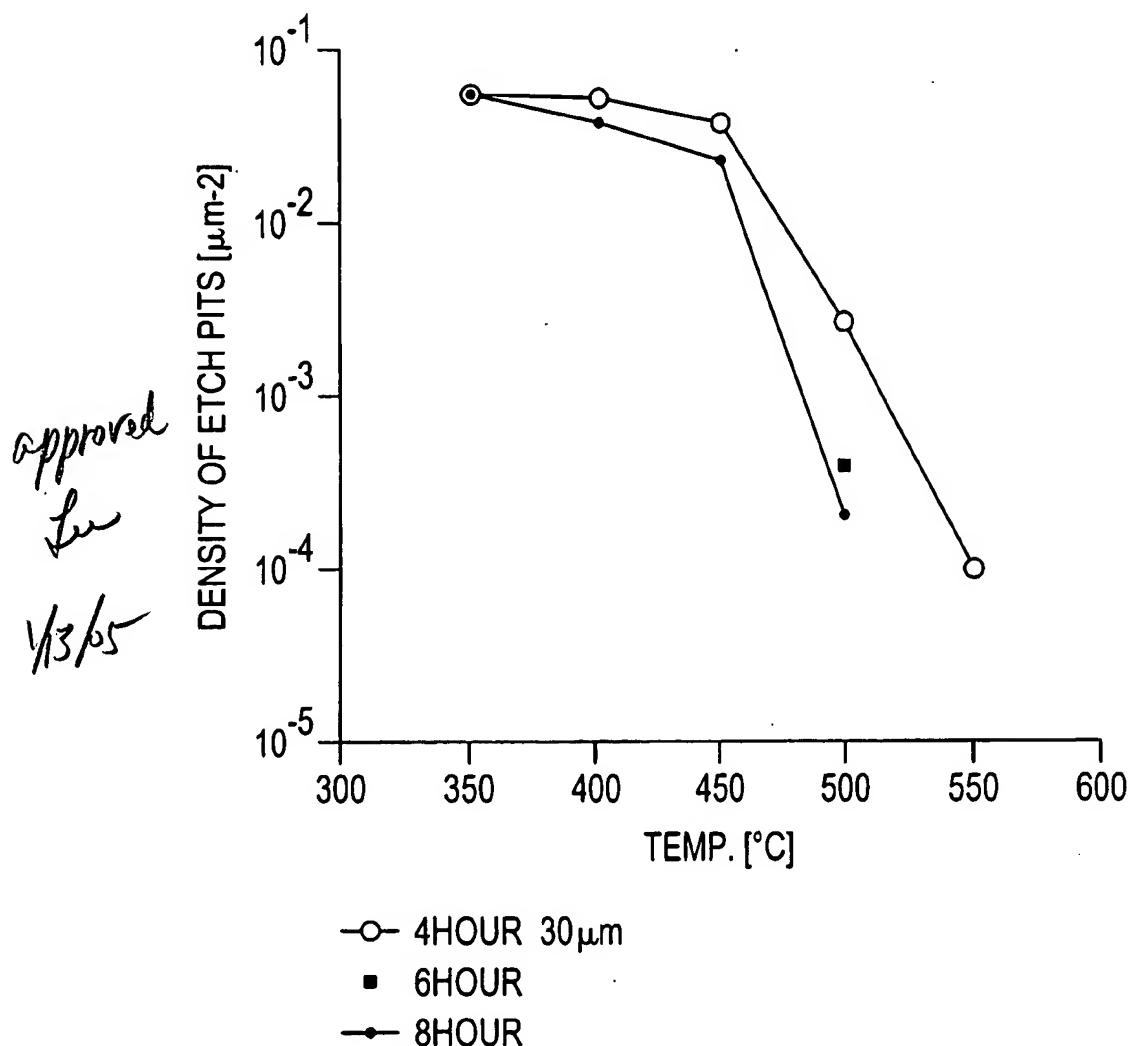




27/36

FIG. 27

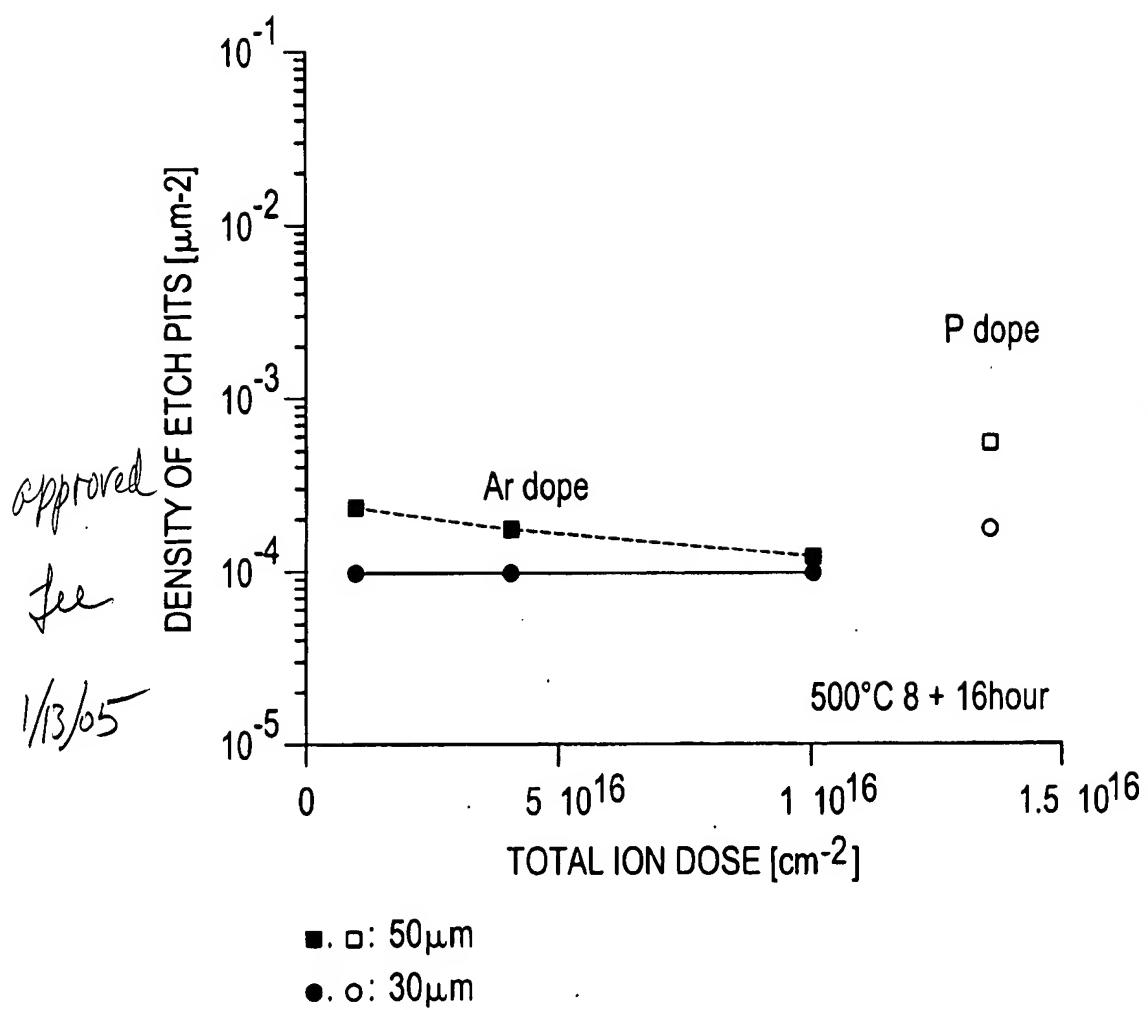
Ar dope 80kV 5E15 (into GI900 A/poly-Si500 A/SiON + SiNO/#1737)





28/36

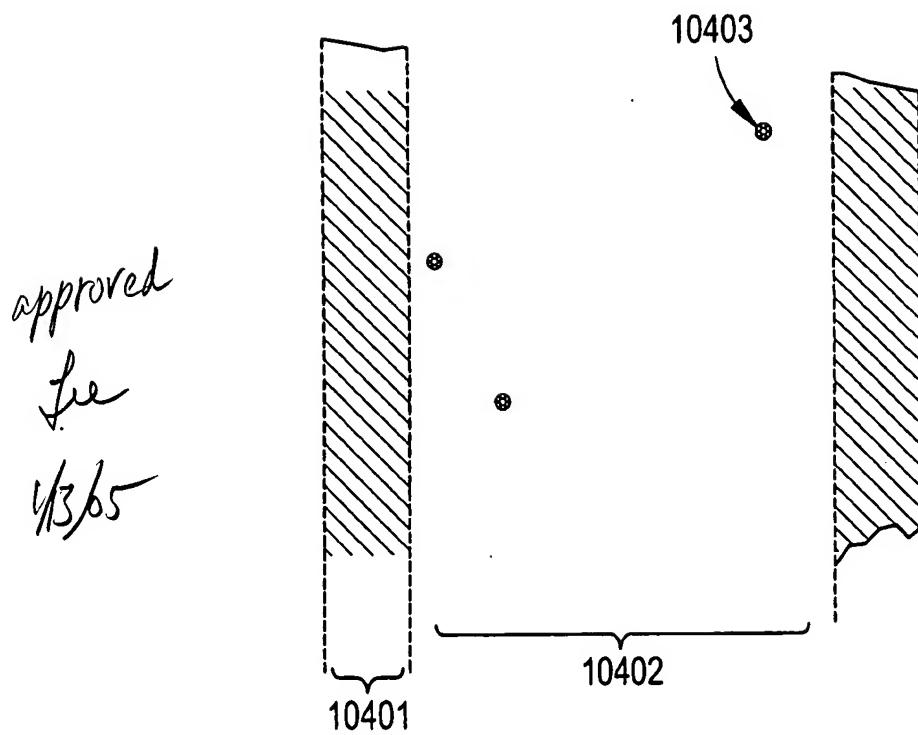
FIG. 28





29/36

FIG. 29





• 30/36

approved
See
1/3/05

FIG. 30A

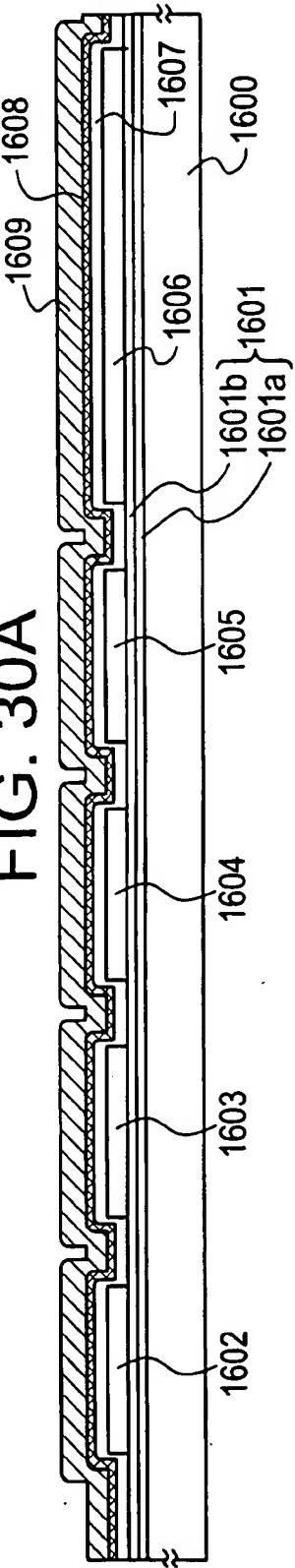


FIG. 30B

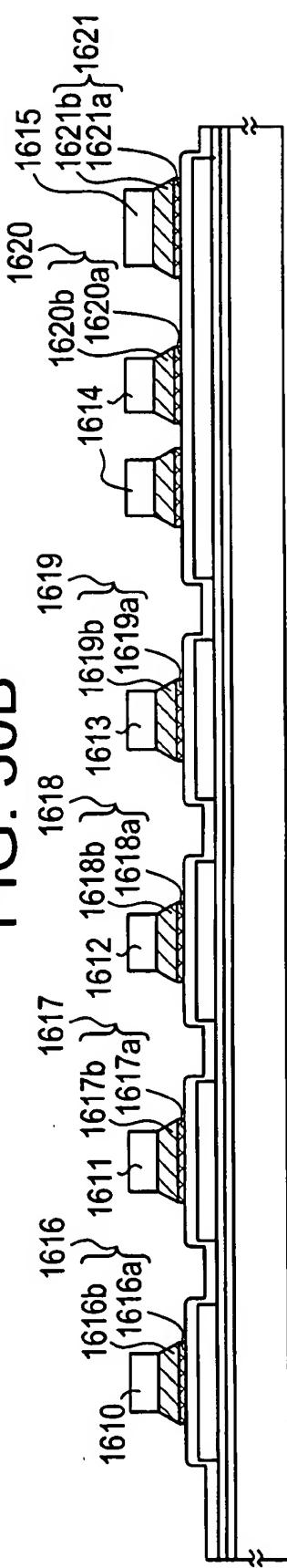
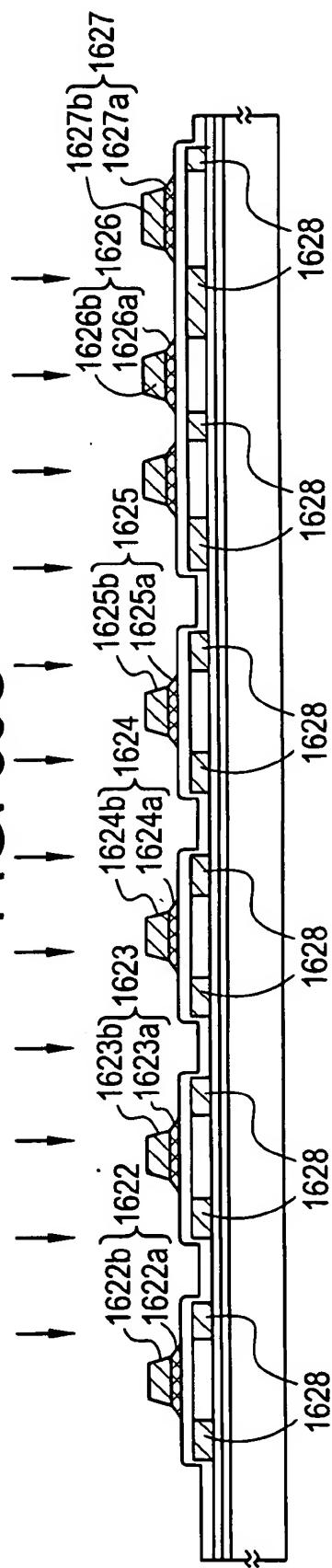


FIG. 30C





31/36

Approved
1/3/05

FIG. 31A

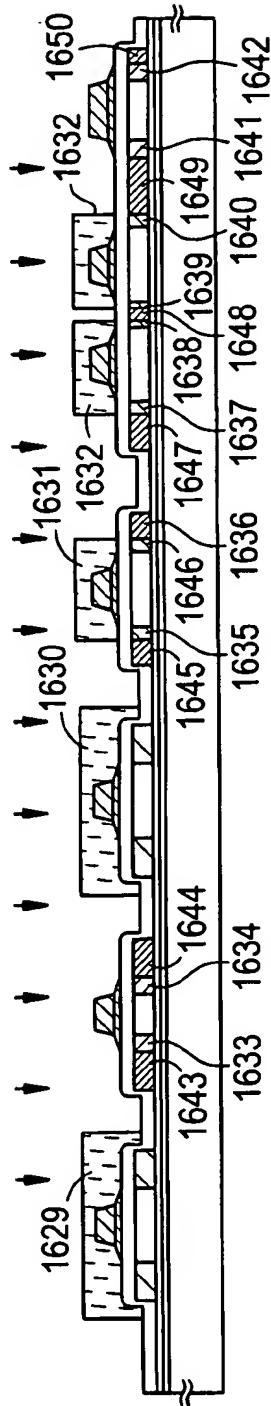


FIG. 31B

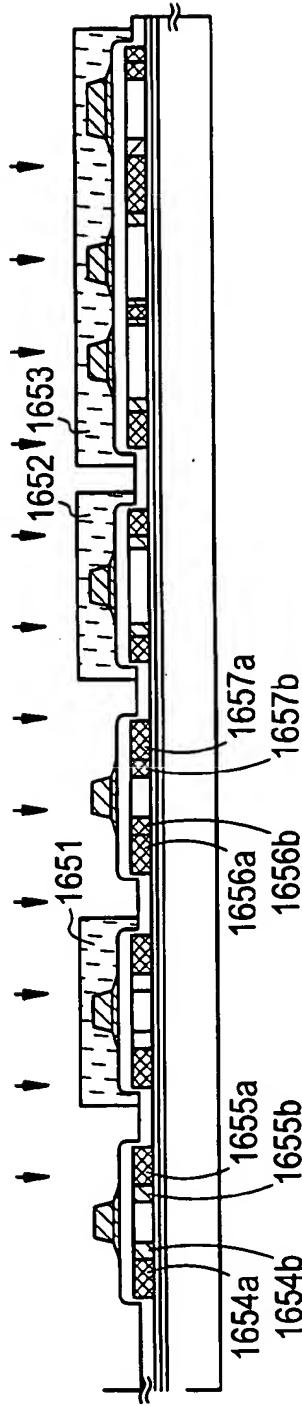
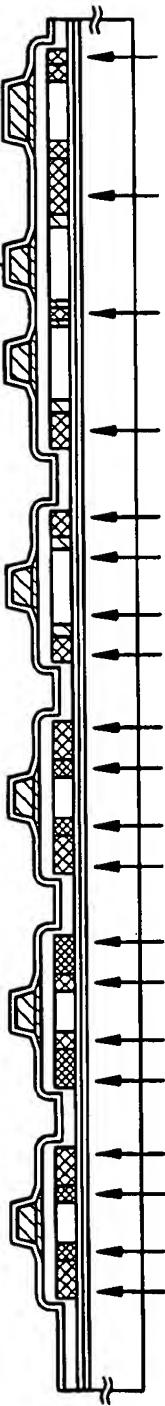


FIG. 31C

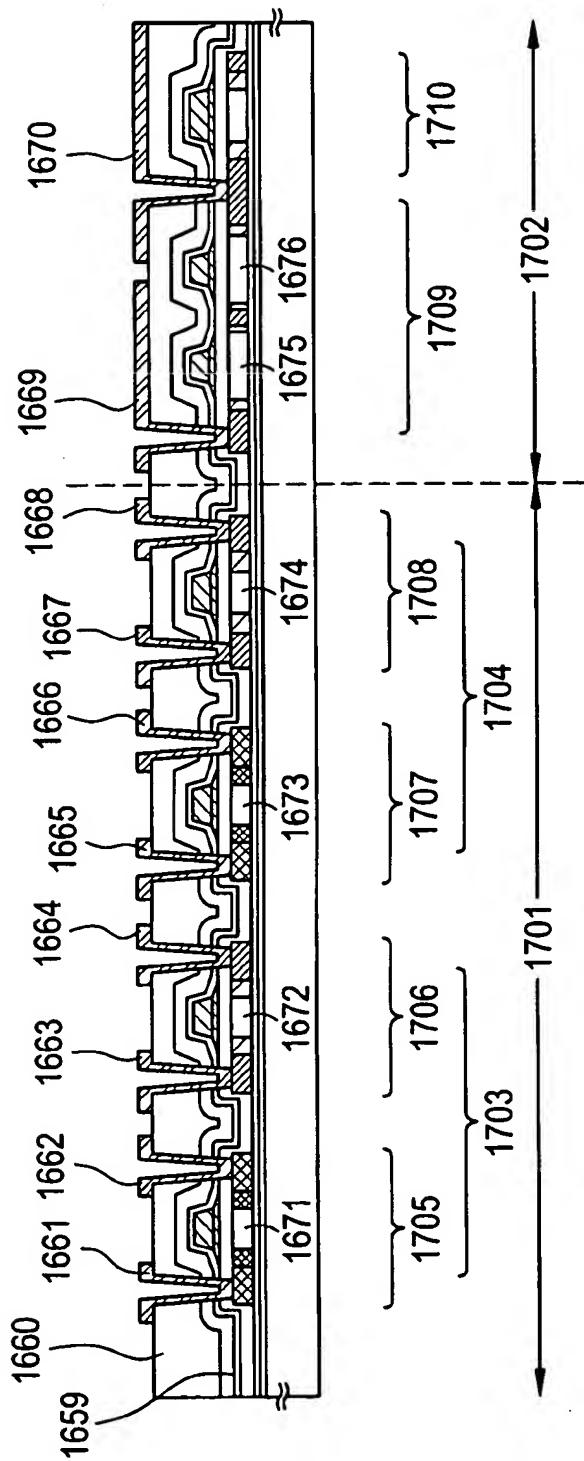




32/36

FIG. 32

approved
see
1/3/05



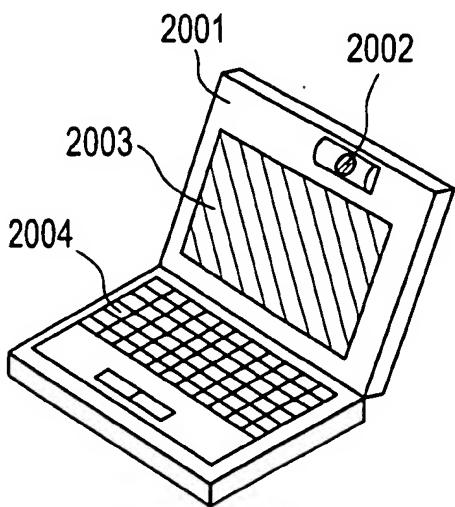
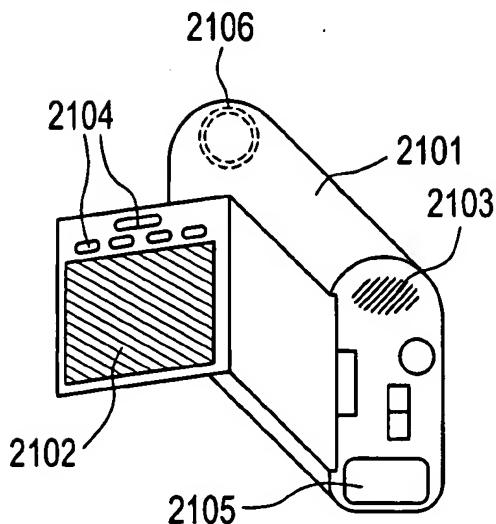
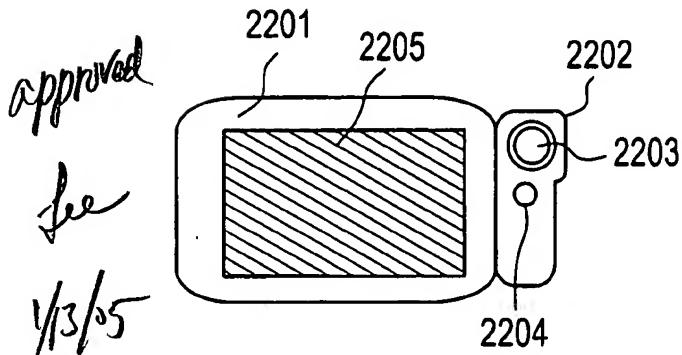
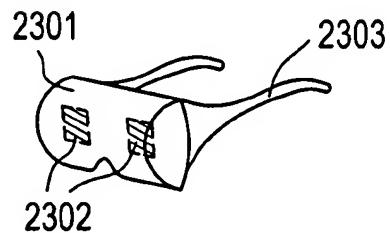
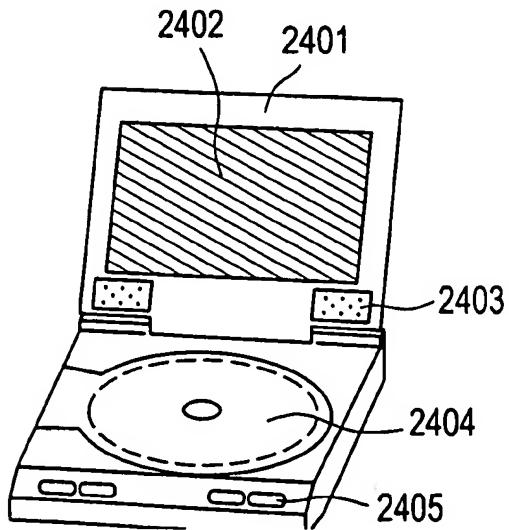
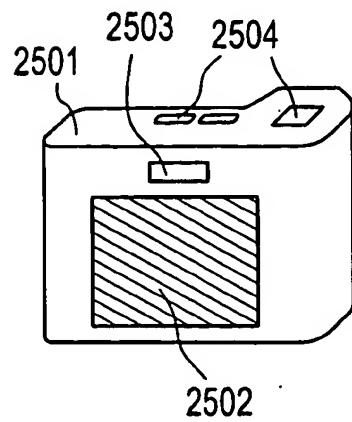
**FIG. 33A****FIG. 33B****FIG. 33C****FIG. 33D****FIG. 33E****FIG. 33F**

FIG. 34A

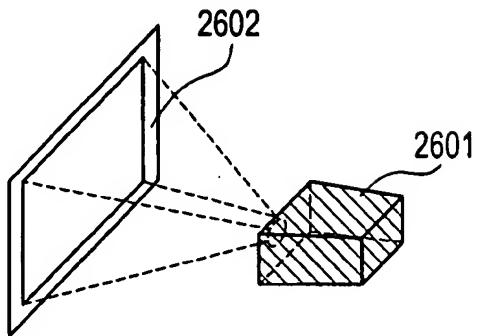


FIG. 34B

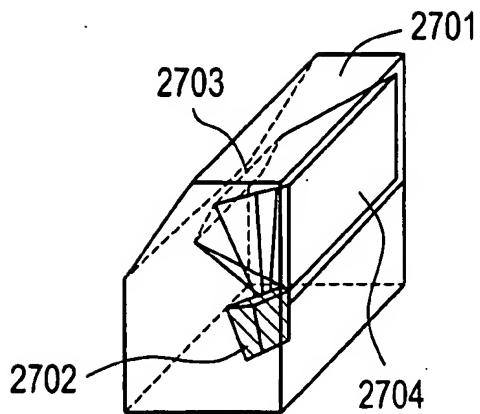


FIG. 34C

approved
See
1/3/05

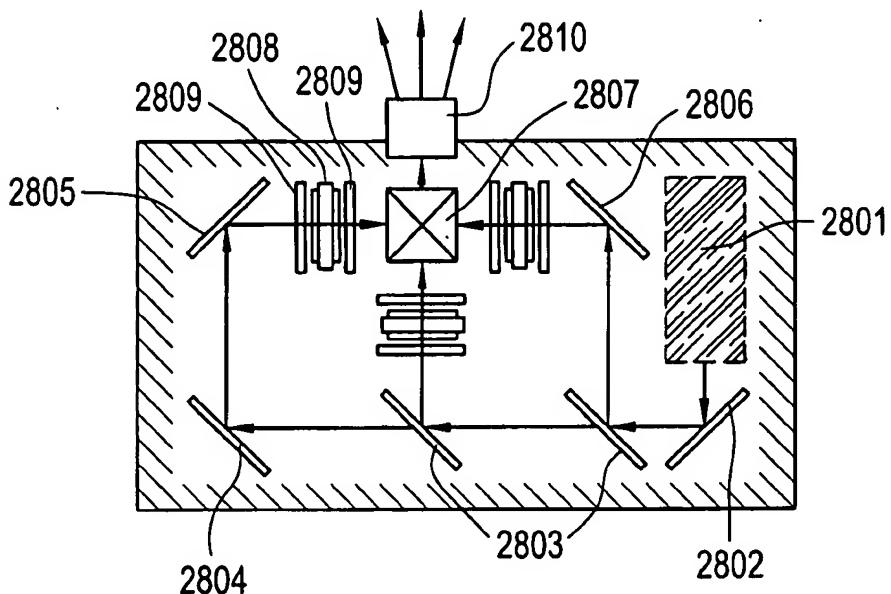
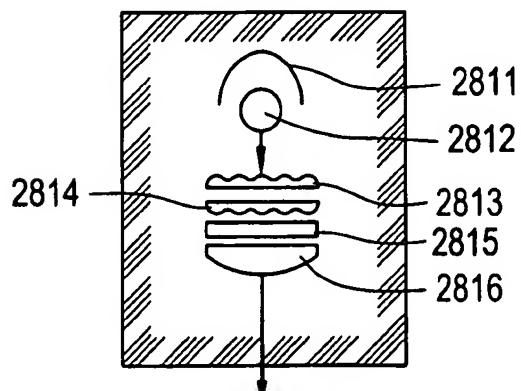


FIG. 34D





• 35/36

FIG. 35A

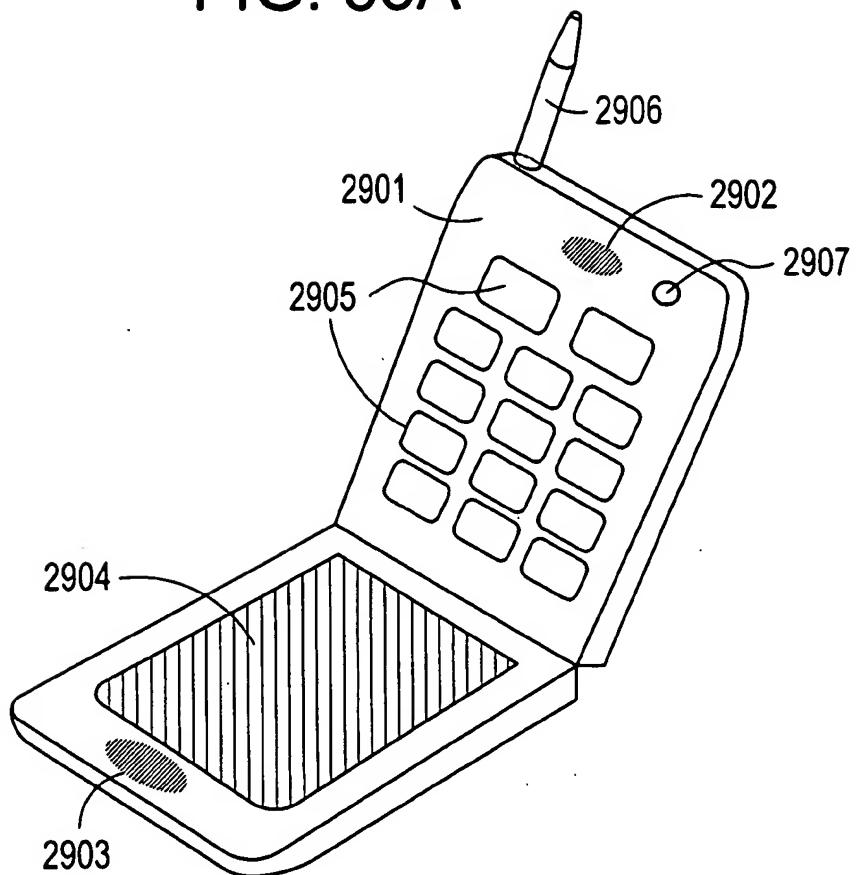


FIG. 35B

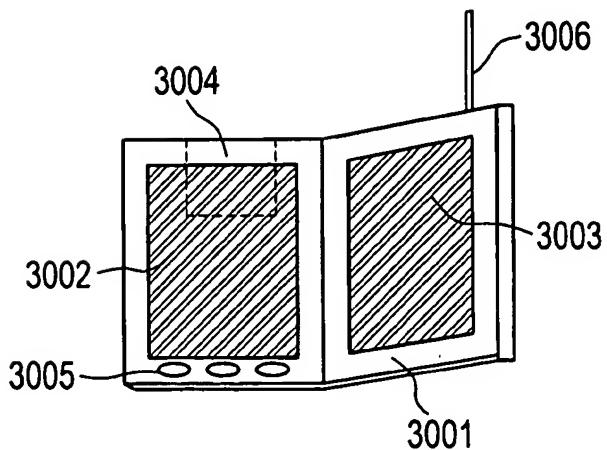
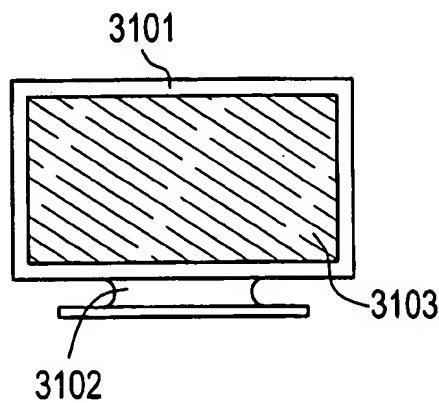


FIG. 35C





36/36

FIG. 36

approved
Lee
1/3/05

	GETTERING CONDITION
MAGNIFICATION	550° C4hrs
X 200	